

Abstract of the Disclosure

A member of a machine, such as a boom on construction equipment for example, is pivoted by a first actuator and has a length that is alterable by a second actuator. A control method allows an operator of the machine to command a point on the member to move along a straight line path. The operator command specifies velocities along two orthogonal axes and those velocities are transformed into an angular velocity and a length velocity for the member. The angular velocity and a length velocity then are converted into individual velocities for the first and second actuators. Each actuator is operated at its respective velocity to achieve the commanded movement of the member.